

PHILMONT *Mobile* RADIO CLUB INC.

The

B L U R B

AREA.
MEMBER

MARCH

1965



PISCES

FEBRUARY 20 TO
MARCH 20



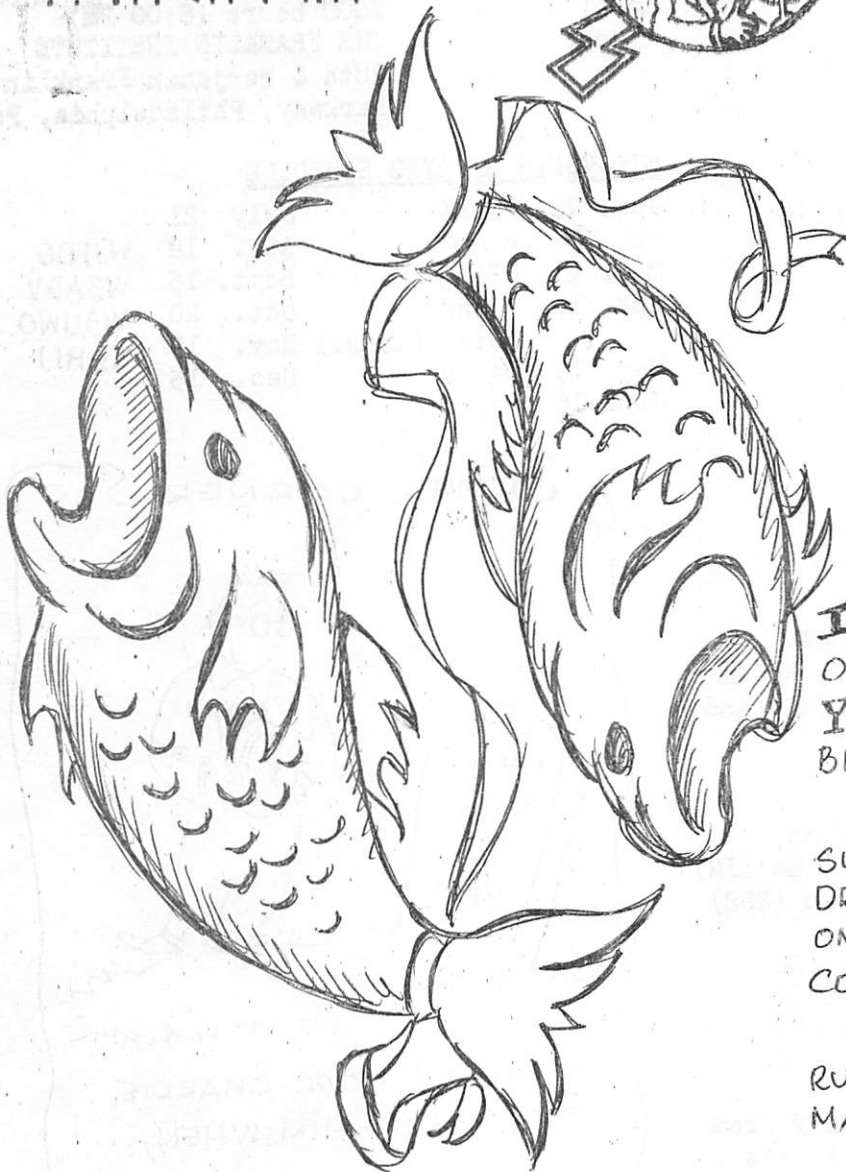
IF YOU WERE BORN IN THE PERIOD
OF FEB. 20 TO MARCH 20.

YOU ARE A PISCAN... YOUR
BIRTHSTONE IS THE AMETHYST.

YOU CAN ACHIEVE GREAT
SUCCESS THRU LEADERSHIP AND
DRIVE. BUT MAKE DECISIONS BASED
ON FACT. HAVE POISE! AND HAVE
CONFIDENCE.

AVOID LETTING YOUR FEELINGS
RULE YOUR HEAD. AND AVOID
MAKING A POOR IMPRESSION.

DO NOT JEOPARDIZE YOUR
HEALTH NOR USE AUTHORITY
UNWISELY.



DON'T MISS Philmont's MARCH MEETING
IT'S 'FREEBIE' AUCTION TIME

MONDAY
MARCH
1ST

The BLURB is published monthly by and for the members of the Phil-Mont Mobile Radio Club. Our purpose is to further the interest of amateur radio in general and mobile radio in particular. We endeavor to keep the news accurate, interesting and in a small way, educational. Copying and quoting is permitted, with a credit line, and we gladly exchange subscriptions with other clubs.

DEADLINE: The BLURB is mailed on the last Monday of each month. All material must be in the hands of the Department Editor before the 15th of the month.

EDITOR

Robert G. Schmilewske, K3KUD/AREA
528 Melody Lane, Glenside, Pa. 19038
Telephone: TU-4-0190

Department Editors

Technical	K3GNM
Swap and Shop	W3QQH
Channel Chatter	W3UMK
Features	W3MHR
Art	W3CNI
Technical Drawing	WA2RDC

Circulation and Printing

Publisher	W3LEM
Printers	W3YHV, K3HIE
Boss Stitcher	W3VVS
Collator	W3QQH

1965 CLUB OFFICERS

President:	Joseph Elmaleh, K3HIJ
V. President:	William Bubeck, W3YHV
Secretary:	Robert Cox, K3CEE
Treasurer:	Charles Greenwood, W3GOW
Directors:	K3DJE(E65); K3GNM(E66); W3OWK (E67); W3GIF(A); W3WPD(A); and all 1965 club officers.

NETS AND NET FREQUENCIES

Channel 1-29.493 mc	Channel 4-50.70 mc
Channel 2-29.626 mc	Channel 5-52.525 mc (FM)
Channel 3-147.78 mc	Channel 6-3993 kc (SSB)

Ten-On-Ten Net	Sundays	1000-1100
Orange Juice Net	Weekdays	0700-0730
Scrambled Egg Net	Weekdays	0730-0830
Executive Net	Weekdays	0830-0900

Channel 1 (29.493 mc) is monitored daily from 0900-2400 for the benefit of mobiles in the Philadelphia and suburban area.

P M R C CALENDARMEETINGS

Regular Meeting: First Monday of each month
Time: 2000 hours (8:00 PM)
Place: THE FRANKLIN INSTITUTE
20th & Benjamin Franklin
Parkway, Philadelphia, Pa.

MID-MONTH MEETING SCHEDULE

Jan. 20	W3UMK	July 21	
Feb. 17	K3PHC	Aug. 18	W3FOG
Mar. 17	K3OEJ	Sept. 15	W3ADV
Apr. 14	W3WNC (Stag Dinner)	Oct. 20	W3UWO
May 19	W3LEM	Nov. 17	K3HIJ
June 16	W3FLP	Dec. 15	



Phil-Mont is on the job - EVERY SINGLE MINUTE !

PREZ SEZ

This month nominally represents the beginning of spring. That means that until we find ourselves beset by the necessity of weeding, cutting the grass, fixing up the porch furniture, etc., we should have some time to devote to getting our mobile gear in tip-top shape for the summer driving months. This suggestion is not made through entirely altruistic motives however. Field Day is only three and one-half months away, and it is not too early to begin getting ready for it. In the past two years Phil-Mont has been head and shoulders ahead of any other club in the country in club aggregate mobile score.

Whether we try to do this again will, of course, depend upon the decisions to be reached by our Field Day Committee and approved by the membership of the club. But, whatever our objectives are for Field Day, it is still incumbent that every member who is able does get a mobile rig operating on ten meters. Our club, unlike others, gathers those of us who find pleasure in talking when driving alone. This pleasure can be increased to its greatest delight only when the bulk of the members participate.

I therefore ask each of our members to go out to the car as the days get warmer. Check over the rig, put it in first class shape, and if you should be one of those who finds no ten meter rig in the car when you go to it, then put one in! If you have problems, don't worry. There are over one-hundred other members of the club who will help you solve them, and help you put a good signal on the air.

With the spirit of cooperation that has made Phil-Mont what it is today, we can look forward to a great summer of mobile operations. Remember, our activities are more fun if they begin as soon as you get in your car and do not end until you arrive at the home QTH.

73 de K3HIJ

* * * * *

T SEEMS TO ME

It would appear that the time has come for us to take a good hard look at our club by-laws. Essentially, the present material covers the ground, but on three occasions in the past year situations have developed which were not clearly covered.

The overhaul of parts of the by-laws is not the answer, nor is a disinterested review by the membership. A completely new, definitive set of articles, tailored to the needs of Phil-Mont, is required. We should define the duties, obligations, and authority of each office. We should state clearly and definitely the election rules and procedures. We should provide for a smooth and specific method of replacement of officers lost by resignation or other causes.

We claim to be a mobile club, and in fact, are incorporated as such. Why then do we not require mobile capability of our members? Our by-laws should do this! We have certain committees which are virtually perpetual. Why do our by-laws not provide for these committees?

One thought which will immediately occur to most of us, and which should be as quickly discarded, is that "we always did it that way". Phil-Mont today is too big to depend on the memory of a few old-timers to establish procedures which may no longer be valid in any case.

We have progressed from low-powered surplus AM gear, made mobile to avoid TVI, to high-powered, multi-band SSB gear in the technical phase of our club activity. Why then do we not up-date our basic governing articles to keep pace with the new Phil-Mont?

de K3KUD

* * * * *

NEWS AND ACTIVITIES

Phil-Mont Calendar for March

Monday	March 1	8:00 PM	Regular meeting at Franklin Institute.
Wednesday	March 17	8:00 PM	Mid-month meeting at K3OEJ
Monday	March 29	8:00 PM	BLURB folding at W3LEM

* * * * *

The regular monthly meeting for February was held on the 1st of the month at the Franklin Institute. Despite a light snow which made driving conditions very hazardous, there were about 40 people present, including 9 visitors. After a short but interesting business meeting, Lloyd, W3GDY, described and demonstrated a circuit for quickly and accurately determining the internal resistance of meters. The final item on the program was the showing of the Phil-Mont film, "Every Single Minute". Many of the newer members and visitors had not seen this film before and they seemed to enjoy it. As always, excellent coffee and doughnuts were available through the efforts of Al, W3GIF, and Bill, K3HIE.

* * * * *

Jim Spencer, W3QQH, announced that more 6 meter FM gear is available. Anyone who is interested in obtaining same should contact Jim.

* * * * *

The club is in need of a filing cabinet. This cabinet is to be kept at the Institute and will be used to store the Phil-Mont archives. Wayne Ziegler, our Historian, will pick-up the cabinet(s) if the donor will call him at TI-5-9414 (Woodbury, N.J.)

* * * * *

The Phil-Mont Supper Club will meet on March 1, at 6:30 PM at the Vespers Club, 223 S. Sydenham St. Every one is invited and a good time is guaranteed. After dinner the gang will come up to the Institute for the meeting.

* * * * *

A square dance will be held on April 24 at The Social Hall of St. Johns Lutheran Church, 61st and Columbia Ave., Phila. This is the first of the club's social events for this year and we would like to have a good turn-out. More information will be forthcoming from Al, W3OWK.

* * * * *

Jim Spencer, W3QQH, told us a little story about our film, "Every Single Minute". It seems that George King, W3PXY, took a print with him when he went to London last June. After several showings under the auspices of the Radio Society of Great Britain, the film managed to find its way to Brussels where it was shown daily at the International Mobile Exposition. The film was finally put into the international mail for return to Phil-Mont and promptly disappeared for a time. It reappeared at the address of the sender, having been soaked (dropped/thrown) in salt water. The container was ruined, but the film itself was undamaged and another attempt to return it will be made. We sure do get mileage out of those prints!

* * * * *

NEWS AND ACTIVITIES (continued)

The following application for membership in Phil-Mont has been received by the Membership Committee. The data is listed as it should be entered in the directory if the applicant is accepted.

W3UAD Jesse W. Caravello, Jr. Jess - Holly
200 Garth Road
Oreland, Pa.
H-TU-7-4638 B-OL-9-7700
Employed By: Philco Corp. Computer Division
Sponsored by: W3QQH; W3GIF

* * * * *

....Channel 3 TV news reported recently that a ham advertised some equipment for sale. The ad stated that some of the material available was commercial and some "home-brew". He soon had a response to his ad and the caller stated that he was only interested in the "home-brew". The ham asked if the caller had a license and was startled when he got the reply, "No, I usually keep my home-brew stuff quiet so the Revenue boys don't hear about it." - Just goes to prove that the same words mean different things to different people.....

* * * * *

ARRL has stated, via QST, that there will not be an increase in the membership fee. Apparently a great many readers interpreted some information relating to a change in fee for other than individuals, incorrectly just as we did. Glad they straightened it all out.

* * * * *

Phil-Mont is planning at least two picnics for this summer. No firm information is available as yet, but it looks like French Creek Park in June and one of the lakes in New Jersey in September. Our Social Activities Committee will keep us informed.

* * * * *

It is the fond hope of Ye Olde Ed that this issue is the last which will be typed on the ancient but honorable Remington. We should have the new electric in time for next month's BLURB. Despite all these changes and innovations, there will be no increase in the cost of this magnificent publication. If you belong to the club you have to take it!

* * * * *

We are currently overhauling our list of exchange publications. We will continue to exchange with all those clubs who send us publications, but will drop those from whom we do not receive exchange copies. We now have BLURBS going all over the United States in addition to Canada, England, Puerto Rico and the Canal Zone. Our monthly run is about 225 copies, of which some 180 are mailed.

* * * * *

Have you paid your dues for 1965? Charles Greenwood, W3GOW or Bob Mynster, K3UWO, will be most happy to accept your \$6.00 in any negotiable form. Remember, those not paid ~~at the~~ at the end of this month will be dropped from membership.

* * * * *

The March meeting will feature, among other things, the Freebee Auction. Bring any goodies that you can spare and let us auction it off for the benefit of the club.

PHIL - MONT LITERARY GUILD

JUST AMONG FRIENDS by George Weed, W3MHR

"Hi, Spence, ole buddy, ship-mate, chum'. Have a small problem. Well, you know that 140 foot tower that I bought? After you put in the foundation I got the next ten-foot section in -- need some help with the rest. How's about lining up some of the boys, say LEM, UMK, NYN, and a few others? Better get them here early tomorrow -- may take all day." x x x "Say, you fellows did a real fine job, looks pretty plumb. Sitting back here under this tree, got a real good view. Went a bit slow -- but with the heat and all. -- Man, you fellows sure went heavy on the Coke! thought for sure a six-pack would be enough. Sorry about the lunch. Some people do like Brussels Sprout sandwiches, you know! Well, thanks a bunch, fellows."

--BT--

"Say, Lloyd, pal, a small problem. Have a meeting of the Sons of Hams of the American Revolution coming up next Tuesday. No place to meet. Thought you might be able to big-deal us the Phil-Mont meeting room. I know it's highly irregular. I know it's putting you out on a limb, but for a ole pal --. Thanks, Lloyd; you're a true, blue friend. No charge of course?"

--BT--

"Hy, ole chum; you know that KWM--2 you keep in your downstairs john? Seems like a terrible waste. How's about letting me use it for a spell? You know, cook out the humidity and all that jazz. Good! Thanks buddy -- say, how about dropping it off on the way to mid-month meeting?"

--°--°--°--°--°--

"Yes Jim, what's on your mind? Want to get that 2 meter coax up on the roof -- need me to hold the ladder? What's the matter with all your kids? sick, huh? Elaine is painting the tower? Well -- well, I have to take Aunt Hattie to the foot doctor this morning -- then, there's the lawn this afternoon -- how about 8:00 tonight? I know it will be dark by then. Well, maybe some other time. Now Jim, that's no way for a friend to talk!"

--BT--

"Gosh, Lloyd, sure would like to help you out with the class while your leg is mending, but can't seem to get below 30 WPM. Theory? beyond T.P.T.G., I'm lost. Think I'll be out of town anyway. From you -- such language!!"

--BT--

"Hy, I know it seems like eight months, but I haven't been able to use that M2 for almost six. You know how that main tuning knob binds? -- oh, it didn't? Well, why they ever put it where they did, I'll never know. Should have put around back where the kids can't get at it. Man, what a lousy sense of humor you have! You have three of the damn things.!! Probably scrounge some parts from Uncle Sugar to fix it, anyway! -- Hy, I'll bet John or Joe wouldn't take the case, anyhow. Give Phil-Mont a bad image."

AR --SK!

**COMING
NEXT
MONTH!**

The BLURBS first.....
XYL COLUMN!

TID-BITS

The following diet is offered for those who may feel the need to slim down for the rigors of the coming Spring season with the attendant household chores:

Low Calorie Diet

Monday

Breakfast: Weak tea
Lunch: One bouillion cube in one-half cup diluted water.
Dinner: One pigeon thigh; three ounces prune juice (gargle only)

Tuesday

Breakfast: Scraped crumbs from burnt toast
Lunch: One doughnut hole (without sugar); one glass dehydrated water.
Dinner: Three grains cornmeal, broiled

Wednesday

Breakfast: Shredded egg shell skin
Lunch: One-half dozen Poppy Seeds
Dinner: Bee's knees and mosquito knuckles sauted in vinegar

Thursday

Breakfast: Boiled-out stains of old table cloth
Lunch: Belly button of a Navel Orange
Dinner: Three eyes from Irish Potato (diced)

Friday

Breakfast: Two lobster antennas
Lunch: One tail joint of Sea Horse
Dinner: Rotisserie of broiled Guppy fillet

Saturday

Breakfast: Four chopped banana seeds
Lunch: Broiled butterfly liver
Dinner: Jellied vertebrae a la Centipede

Sunday

Breakfast: Pickled Humming Bird Tongue
Lunch: Prime Rib of Tadpole; Aroma of empty cupboard; Pie plate
Dinner: Tossed paprika and clover leaf salad

Note: A seven-ounce glass of steam may be consumed on alternate days to help in having something to blow-off about.

(W3PKJ Press via AREA)

* * * * *

Both Radio Shack and Lafayette Radio (franchise store) now have stores located in the shopping center at Cottman St and the Roosevelt Boulevard. This might be of interest to the North End Gang.

* * * * *

It has been suggested that some money saving might be realized by our members if there was some way in which orders for parts, kits, or equipment could be grouped and sent to Heath, Lafayette and other such companies as a club order. We would welcome ideas and comments on this. Send them to Ye Olde Editor and if the response indicates interest, I will investigate further.

* * * * *

TID-BITS (continued)

Repeater Satellite, OSCAR III: The satellite this weekend will be delivered to the launching agency....the launch is expected to be in the period mid-February to mid-April. Orbital data will be sent after launch by cw 3507-7015-14130 kc; RTTY 3620-7040-14090 kc; SSB 14300 kc.

The frequency for signals accepted for relay by the satellite is centered on 144.1 mc. ARRL is seeking an FCC change in rules, if possible before OSCAR is launched, to restrict the lower 100 kc of 2-meters to cw in lieu of the present FCC top of band 100 kc limitation. Canada's DOT has just modified its rules to permit only A1 in the lower 100 kc of the 6 and 2 meter bands, a measure to assist weak-signal vhf work.

(ARRL, January 18, 1965)

* * * * *

The Inter-county ARPSC Net met on January 5 at 2000 on six meters. The following stations checked in: W3ELI (SEC); W3BGN; K3KTY; W3ZRR; W3FLP (EC RACES, R.O Delaware County); K3NSN; W3UMK (Acting Chairman, Del. Valley Council ARC).

* * * * *

This World of Ours

We look back on the start of civilization and no one knows when it was. Ten-thousand years or twenty-thousand years ago, and I doubt if anyone really cares. A reasonable standard of measure would probably be our technicological advancement during this period; yet if this level of advancement be accepted as the standard yardstick, then it seems that we only started yesterday. How come?—Through the ages, the countless contributors were prompted mostly by selfish reasons, and hardly ever for the sake of art or science as such.

Yes, I know that you will try to remind me of the geniuses who were starving and striving in cold garrets; but if they ever met success, they incorporated, patented, or took some other protective steps so that the "fruit" of their brain would start paying dividends or royalties.

Very often have these successful dreamers turned off their dreaming, once success was theirs. It may be true that some measured success in material values and others only in glory, but always it was me or I that was attached to their accomplishments. Valid examples are numerous -- take the inventors of the phonograph, the cotton gin, etc., the artists, the poets, and you will always find the "BY" -- by DaVinci; by Edison; by Shakespeare; and even medicine by Fleming; by Pasteur.

Actually, you can blame no one for this because this is the kind of world we live in -- a material world. I guess this is how it should be. It is natural for us to get and acquire material things so that we can live -- survive, if you like. What other kind of world could there be -- a spiritual world? Where everybody would be kind and good and live in peace in accordance with a code of ethics and morals? but these codes are not in accordance with natural laws, they are not "washproof", and the proof is how easily one human can anger another.

I am sure that by now--if any of you read this far--I'm off the paved road with all four wheels in the mud. So you say, "What has all this to do with HAM RADIO?" Oh yes, deducing from the above that we are not too far advanced technicologically, and knowing of the great and unselfish contributions of the radio amateur to the art and science of communications in the past, I would like to suggest and encourage the ham to further exploration and research in the field of communing with our fellow man or what have you. For the purpose of explanation, I would like to state that radio communication is also known as "wireless communication", which you can readily see is a false statement by looking at your own receiver or transmitter.

Therefore my friends, abandon any idea you may have had about spending another dime on all this outmoded junk that eats up the kilowatts and enriches the stockholders of your power company.

(continued)

My advice is, turn your thoughts to the transmission and reception thereof. Telepathy is what I mean. Duninger can do it and if you scan through the papers, you will see that Mandrake does it too.

No more blown fuses, no more burnt fingers, no pink tickets, no phone patch, no TVI, and many more advantages. Still, while all this sounds nice and rosy, there still remains one problem to be solved, and that is classification. What are we going to assign as a code number to this type of communication?

For CW we have A1; for modulated CW A2; phone A3; but we must seriously concern ourselves with the proper classification of this new mode of communications. Although I am somewhat worried at this time about a proper classification, I am confident that some genius will come forward in due time - just think about it. And if you do think about this you are worse off than I am, but feel free to call on me to advise a good psychiatrist!

(The above article was written by W3WQP for the Delco RC "Del-Rad" in 1957 and is reprinted with the author's blessing)

* * * * *

NEW PUBLICATIONS

"Servicing Garage Door Openers" by Jack Darr. The first practical guide to troubleshooting, installation, and repair of garage-door openers ever published. The down-to-earth text and numerous illustrations will make it a boon to the service technician, the manufacturer and the salesperson as well as the owner/operator. Contains 128 pages, cost is \$2.95. Howard Sams Co. Catalog No. GDO-1.

"Mathematics for Electronics Engineers and Technicians" by Norman H. Crowhurst. Starting with Ohm's and Kirchoff's Laws, the text of this book rapidly introduces selective networks, transfer characteristics, properties of coils and transformers, oscillators, feedback circuits, etc. Designed primarily for the advanced technician and engineer, the text seeks to bridge the gap between book-learning and experience. Contains 256 pages, cost is \$6.95. Sams Co. Catalog No. MEA-1

"Transistor Specifications Manual". Containing three principal sections to provide maximum information about the transistor; a specification section, a lead identification section, and an outlines section. The Specifications Manual should prove to be useful to technicians, engineers, and anyone involved with transistors. It is an ideal companion volume to the popular Sams "Transistor Substitution Handbook". Contains 160 pages, cost \$2.95. Sams Co. Catalog No. HTA-1.

"Tube Substitution Handbook", 8th Edition. Invaluable as a reference and working guidebook for anyone whose work involves vacuum tubes, this new 8th edition is more up-to-date and complete than ever --in fact, the book lists more valid DIRECT substitutes than any other cross-reference guide available. The book costs \$1.50 and for an additional \$.75 a companion pocket size edition of the Handbook is available. Howard Sams Co. Catalog No. TUB-8.

"Radio Service Training Manual" by Edward F. Rice. Contains "programmed" troubleshooting charts to aid in the rapid isolation of trouble. The text is thoroughly illustrated with schematics, charts, and drawings and covers the complete field of radio receivers, including tubes and transistor types, auto, home and personal. In addition, hi-fi amplifiers as well as the comparatively new stereo multiplex systems, are included. Contains 288 pages, cost \$4.95 (softbound), \$6.95 (hardbound). Catalog No. RSS-1. Publisher, Howard Sams Co.

* * * * *

TID-BITS (continued)

From the Philadelphia Evening Bulletin, February 6:

"For emergencies, such as the devastating 1964 Alaskan earthquake, the United States Post Office Department has an amateur radio system.

Organized in 1958, it numbers about 2,000 members linked in state and national networks.

In the group are postmasters and letter carriers, clerks, and workers in many categories."

* * * * *

The Delaware Valley Council of Amateur Radio Clubs has some very big and ambitious plans for the future. At a meeting held during the first week in February, representatives of 13 clubs, the Philadelphia Trade and Convention Bureau, ARRL headquarters and the Eastern Pennsylvania ARRL district discussed plans for a Hamfest in the fall of 1965, the possibility of an Atlantic Division Convention in the next two or three years, and some long range ideas for 1976.

While most of these ideas are now in a somewhat nebulous stage, they will be firmed up as soon as possible and the all out cooperation of each club represented by the Council will be a necessity. Let's get behind the Council and really push to make the Delaware Valley a top area for amateur radio as it is for so many things.

* * * * *

Did you know that there are 25,000 amateurs, 10,600 of whom are ARRL members, in the Atlantic Division area? There are also 168 affiliated clubs in the area.

* * * * *

A bill is to be introduced in the U.S. Senate which will exempt amateurs and certain commercial radio stations from payment of the present license fee on the basis of the public convenience and service they offer.

* * * * *

CHANNEL CHATTER

"H", K3BRR, has an NCX-5 on the air to supplement the G-28...Bill, W3YHV, has a shiny new Swan 350 (5 bands) in the Mustang...Joe, W3UQV, operating W3OWK on the West Phila. Club meeting night...The Orange Juice Net became the Snowball Net on a few mornings recently with W3AJO, HFY, YJM. MHR and HQJ submitting reports to their respective net control stations...Incidentally the Orange Juice Net had a total of 171 stations check in during the month of January...Joe, K3WFD, vacationing at Split Rock in the Poconos and Russ, K3NYN, asking if he was on his honeymoon!...WA3BKO called Hal, W3HFY, in the VHF Sweepstakes and Hal immediately lost his audio...George, W3MHR, says exhaust gasses look different on a really cold morning (?)...George recently had a minor catastrophe with the beam rotator on his tower. Seems like the housing loosened up and 98 ball-bearings flew to the four winds...Why doesn't Charlie, W3YJM, put a heater in his garage thus eliminating the need for running the heater fan in the car?...Congrats to Spike, W3AUF and his XYL, Bobby, on the arrival of an 8 pound boy on February 6...Bob, K3CEE, checking with Al, W3OWK, in re arrangements for transportation to 1 East Penn Square for microwave disassembly...Bob, W3ZEH, holding the fort at the site without a walkie-talkie or handy-talkie...Walt, K3OJA, conferring with Bob, W3IW, concerning shack re-arranging...Russ, K3NYN, and Al, W3GIF, informing the frequency of the condition of roads. Ed, W3LEM, breaking in to pass along the word that the Pennsylvania Turnpike had lowered its speed limit to 35MPH from Lansdale south...Russ, K3NYN, and Murray, K3SPS, discussing means of converting a CB unit to 10-meters and adding a linear to it - Brad, W3QV, adding his comments to the project. and Ernie, W3DSG, snorting and wishing them luck...

CHANNEL CHATTER (continued)

Ernie, W3DSG, running the teatime net with Bob, K3CEE/m and Fred, W3ADV, no longer portable, assisting...Fred tells us he is really enjoying his new location in Newtown Square -- he can hear everything now!...Andy, K1MBR, chaperoning W3NIP/m and W3HFD/m with W3KV on the side, not to mention other mobiles from New Jersey to the District of Columbia and one Florida station -- all on 3995 kc...Walt, K3OJA, had trouble with his 2-meter Communicator, and received advice from Hy, W3WNC, when Bob, W3IW, had to secure...Five non-Technical Committee members of Phil-Mont conferring around the desk of Jim, W3JYA, on the same Saturday morning. Harry, W3KDO; Jack, W3PXW; Al, W3OWK; Joe, K3WFD; and Dick, W3UMK...Lyle, W3VSU, plans to put up a 10/15/20 meter vertical in the spring to go with his Tener, on which he at least works W3IW...Bob, W3OEC, has converted a Messenger to 10-meters for use in his car...Jim, W3QQH, is the proud owner of a new truck. After the money-making necessities have been transferred from old to new, W3BBB/m will get a new rig which is now in the building stage...We hear that Gene Pressler, W3ZXV, editor of the Brand X club paper "Static", has been under the weather. Our best wishes for a quick recovery...Dave, WA2RDC, being heard mobile 3 quite a bit of late. Dave's father, who lives in Germantown, has been in the hospital...Talk about confusion! .. Sam, K3RTR, operating W3TKQ, got a question going on the frequency which had to do with whether a 1 millhenry or 1 microhenry choke would be larger in physical size -- the answers got funnier as more stations joined the group. There were a few honest attempts to provide a legitimate answer, but these soon gave way. Sam finally gave up and signed out, thus ending the session without an answer. That does it for this month -- keep the frequency active and send your CC items to W3UMK.

* * * * *

ABOUT THE BLURB ART WORK

Recently I have been questioned about the art work appearing in the BLURB. We all know Sam Kuncevich, WA3CNI, who does the work for us, but not too much is known about the means of subject selection. We try to vary the subject matter of the covers so that we do not have humorous material on consecutive months, and we also try to avoid material with "a message". Usually, someone of the BLURB staff will have an idea for a particular month's cover. This idea is given to Sam in the form of a note stating briefly the basic concept and any miscellaneous data pertinent to it -- who was involved, where it happened, etc. Sam then does the rest and works up a rough sketch for approval and/or correction. The final material is transferred to Direct Image Duplimat Masters, either by pen and ink or photographic means.

All those covers which have appeared with space and satellite references are as nearly correct graphically as available information permits and all the research is done by WA3CNI. When no ideas are forthcoming we "turn Sam loose" and he always comes up with the job. This month for example, he features astrology -- who knows what next month may bring?

"Sam's Corner" is the sole property of the artist. Sam selects his subject and treats it as he sees fit without comment from Olde Ed. Interior art is usually based on a specific event or subject and is the result of material supplied to the artist by interested parties, or which which Sam has picked up by monitoring Channel 1.

We are just starting to learn about good photo reproduction and while it will take time, we hope to have more of this type material as we improve. All printing is under the direction of Bill Bubeck, W3YHV, who has practically had to learn a new trade in order to give us the fine looking BLURB that we are getting now.

Incidentally, another note about our artist. Sam has recently been requested by the U.S. Navy, Bureau of Air, to submit designs for an insignia for Naval Aviation. This insignia would be worn by U.S. Naval flying personnel as an official device. Sam tells me that this insignia will positively not feature Gumbaudi in an F-106!

Ye Olde Editor

* * * * *

SWAP AND SHOP

For sale: Heath HW-12 SSB transceiver (75 meters) \$120.00

Contact: W. Bubeck, W3YHV

For sale: CLUB PROPERTY.
IBM Electric typewriter, wide carriage; w/cover.
Excellent condition. \$ 60.00

Remington Standard Noiseless Typewriter; w/cover.
Good condition. \$ 25.00

Onan 3 KW water-cooled generator mounted in closed
 $\frac{1}{2}$ ton trailer. 110 volt, single-phase w/complete
metering. \$400.00

Hammarlund Super-Pro receiver w/power-supply and
manuals. \$ 80.00

Contact: Jim Spencer, W3QQH
TU-4-8469

For sale: NCX-3 with AC supply and spare tubes. \$325.00

Contact: Harry Miller, W3KBS
111 Riverside Ave
Prospect park, Pa.
LE-2-0411

For sale: Master-Mobile ten meter folded ground-plane antenna,
Model SR-600-10. Cost \$24.00 plus \$7.00 shipping. \$ 12.00
(will trade)

Motorola FM transmitter Model FMT50D, 35-45 mc.
6 volts, w/tubes and 3 extra 807's. No cover. \$ 5.00
(will trade)

Contact: Gerard A. Baldauf, W3JKH
175 Wernersville Blvd.
Wernersville, Pa.
215-678-3980 or 929-5811
Ext. 2113, 2116

For sale: Central Electronics 10A exciter, Collins PTO 70E-8A
w/panel; Morrow 5BRLN converter; Morrow all band mobile
receiver, 12 volt w/power supply; Link 35 UFM trans.,
52.525 mc, 70 W input; Link 11UF rcvr FM 30-40 mc w/ps;
B & W JGX condx.

Contact: Jim Spencer, W3QQH
TU-4-8469

SWAP AND SHOP (continued)

For sale: Ranger II, factory wired.

\$250.00

Drake 2B with Q-multiplier.

\$225.00

Contact: W.Laurence LePage, W3QCV
MI-2-1821

Wanted: 10-meter Messenger Transceiver.

Contact: Bob Mayberry, W3ISW
265-2668

Wanted: Paid-up members in Phil-Mont. Send your dues to the
Treasurer today!

Contact: Charles Greenwood, W3GOW

* * * * *

FREE TECHNICAL STUFF

The following article was lifted in toto from the R.S.G.B BULLETIN of the Radio Society of Great Britain. We thought it might be of interest, but not having tried it as yet, cannot vouch for its correctness. (ED)

Soldering Aluminum

Contrary to widespread opinion, aluminum may be soldered with an ordinary soldering iron and radio solder. The use of special fluxes and ultra-sonic soldering irons is not necessary for the occasional joint.

The action of the air forms a thin and invisible layer of aluminum oxide on the surface of the metal, and this must be removed before it will "tin". The area to be tinned is covered with a layer of ordinary lubricating oil (most types seem suitable, though the more viscous and less volatile are more so). Through the oil, the surface of the aluminum is scraped away with a knife, removing thin slivers of the metal and with it the oxide. The oil prevents the air from reaching the exposed metal, and if a hot, well tinned soldering iron is pressed against the cleared area, by the time the oil has boiled away the metal will be tinned.

Once tinned, it is of course no trouble to place another piece of tinned material against the aluminum and the application of heat will result in a sound, strong joint - just as good as tinplate.

Particular applications are the soldering of feed-through capacitors directly to an aluminum chassis, and the bonding of shields.

* * * * *

QUESTION

Why are materials sent in a ship called "cargo" and materials sent in a car called a "shipment"?

(Auto-Call)

* * * * *

PHILMONT TEK-NI-GRAM

CONTRIBUTED BY K3GNM

MARCH 1965

Several Philmonters have expressed interest in subjects associated with the repair, maintenance and operation of the more popular test equipments in their shacks. With interest in this direction, we have decided to cover some of the more interesting aspects of equipment that the average Ham might use.

Our first victim is to be the multimeter, since it is the most prevalent. Supposedly, the meter movement is the most vulnerable element in the assembly, and replacement is sometime a problem. It is necessary to determine the meter resistance which can be accomplished by two basic methods.

Wheatstone Bridge Method

This method is the most accurate and should be used when a bridge is available. With reference to Fig. No.1, resistor R has to be determined. It's value isn't critical. However, it must be large enough to protect the meter movement against the 4.5 volts that exist inside the bridge. The value is determined by dividing the full scale current of the meter into the battery voltage. For example, a 1 ma. meter movement would require a 4500 ohm resistor. This value or anything above will suffice.

The bridge is connected to points A and B and a resistance reading taken. Measurement of the resistor R is then made. The difference between these resistance measurements is the resistance of the meter.

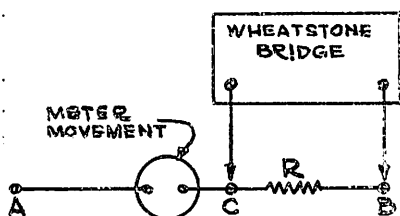


FIG. No.1

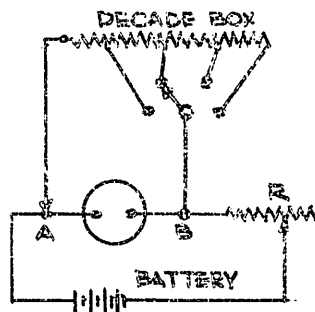


FIG. No.2

Decade Resistor Method

With reference to Fig. No.2, a battery, potentiometer and a decade resistance are required. The value of R is obtained as above, using whatever battery you select. The connection is made as indicated.

The measurement is made by first adjusting the potentiometer to obtain a full scale reading on the meter. Shunting of the meter is accomplished by connecting the decade resistance to points A and B. Rotate the decade switches until the meter reads half scale. The reading obtained from the decade resistor is the same as the meter resistance.

It is possible to replace the the decade resistor with a potentiometer and later measure it with an ohmmeter. This method should only be used if there isn't a better method available, due to the inaccuracies that exist.

The above methods will allow determination of meter resistance without damage to the meter. Knowing the full scale current and this meter resistance, it is possible to adapt the meter to any type of circuitry.